



# THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of Jkuat)

*Faculty of Engineering and Technology*

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

**DIPLOMA IN ARCHITECTURE (DA 10A)**

EBC 2221: PLANNING & ENVIRONMENTAL MANAGEMENT

**SPECIAL/SUPPLEMENTARY EXAMINATION**

SERIES: OCTOBER 2011

**TIME: 3 HOURS**

**Instructions to Candidates:**

You should have the following for this examination

- *Answer booklet*

This paper consists of **FIVE** questions

Answer **ALL** questions

Maximum marks for each part of a question are as shown

This paper consists of **TWO** printed pages

### **Question 1**

- a) Briefly explain
  - i) Ecosystem (6 marks)
  - ii) Ecosystem cycles (8 marks)
  - iii) Ecosystem stability (6 marks)

### **Question 2**

State TEN planning theory concepts (20 marks)

### **Question 3**

- a) Planning process (6 marks)
- b) Storages of planning (14 marks)

### **Question 4**

Briefly explain:

- a) Definitions of planning (6 marks)
- b) Settlement planning requirements (14 marks)

### **Question 5**

Describe;

- a) Land use (10 marks)
- b) Zoning (10 marks)